

## ABSTRACT

A manufacturing method and a thus produced white colored and a specified colored light-emitting devices (LEDs) are disclosed. The white  
5 colored LED includes a resonant cavity structure, producing and mixing lights which may mix into a white colored light in the resonant cavity structure, so that the white colored LED may be more accurately controlled in the hue of the generated white colored light, which efficiently reduces deficiency, generates a natural white colored light and aids in luminous efficiency promotion. The  
10 specified colored LED is obtained in the similar manner as the white colored LED. In addition to the resonant cavity structure, the light-emitting device also includes a contact layer, an n-type metal electrode and a p-type metal electrode.